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SEQUENCE LISTING

(1) GENE	RAL INFORMATION:	
(i)	APPLICANT: Levy, Gary	
(ii)	TITLE OF INVENTION: Methods of Modulating Immune Coagulation	
(iii)	NUMBER OF SEQUENCES: 4	
(iv)	CORRESPONDENCE ADDRESS: (A) ADDRESSEE: BERESKIN & PARR (B) STREET: 40 King Street West (C) CITY: Toronto (D) STATE: Ontario (E) COUNTRY: Canada (F) ZIP: M5H 3Y3	
(v)	COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.30	
(vi)	CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: (C) CLASSIFICATION:	
(viii)	ATTORNEY/AGENT INFORMATION: (A) NAME: Gravelle, Micheline (B) REGISTRATION NUMBER: 40,261 (C) REFERENCE/DOCKET NUMBER: 9579-006	
(ix)	TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (416) 364-7311 (B) TELEFAX: (416) 361-1398	
(2) INFOR	RMATION FOR SEQ ID NO:1:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 4630 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: other nucleic acid	
(vi)	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:1:	
GATCTAGG	GT TGGAAGCCAG GTCTCCTGAG TATGCGAGAA TAAATACAGT CATGGAAGTG 6	0
TAAAGAGT	CT GCCAACATTT TGAGAATGTG AATAGGATTT GGCTAAAATT AAGGGGATAT 12	0
ACAGAAAA	GT CATAGGAAAT CAGGTTAAAG ACATAAATAT GAGATAGGCT ACAGAGTGTT 18	0
ጥጥል ልርጥል ል'	ዋል ር <u>გል</u> ዋልልልልርኔ ምምያል <u>ርልምምምን ምርርርርልምርምር ልር</u> ምርልምምምምር ልልልምምልምምምም	Λ

TAAAGCAAAA AAACCCTTTT TAAACAAGAA ATCTTATGAG ATGTCAATAT GCAAAACAAA

TTAAAAGGAG GTGGTTTCTC TAACTGAAGC TGTTCCTCTT TCCTGCCTTC AGCCTCTGAA

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GAGAAAGTTA	GAAAACTATT	ATCATTAATG	CTACATGTTT	TGAACAAGCT	GATATACCAA	420
GTGGCCCAGA	GAGCAGGTAG	AAGAACCAGC	GTGGAGACAG	AAAGCAAGAG	GCCCGCCTGC	480
CAGGGCTACC	TGCAGAAAGA	AAGGGCAAAG	ATGCTGTAGG	CAAGAGAAGT	TCAGGACAGA	540
CACTGGCATA	GCTCAAAGAT	TCACATTTGA	GCAGCTGTGG	AAGATGACAG	TACAATTACC	600
AAAATGTCGA	AGGGCAAAGG	AGGCAGCTAC	TGGTTTTGAT	GAAAGACAAT	TATGTCCTTT	660
TAAATGGGTC	TTAGACATTT	AGACATTTAT	ATACACTATG	CTACGGACAA	AGGAATAGAA	720
AGTAGCACTT	TTTTCTCCAC	TAGTTTTCTT	CTCTTTTTCA	AGTAGATGAA	GCAAAAGTCA	780
ACTGCAATAG	TCAGAAAGCT	GTACTTTGTT	ACACTTAGAA	ACTTCTAAAA	GTGCTTAAGA	840
TTTCACCTGA	AAGTCCAACA	TGAAGAAAAT	ACAGGCTCCC	CAATGCCCCA	TTCTAAGAAG	900
GAAAAAGGAC	CATTTTCATT	TTAGTAACGT	TTCTGTTCTA	TAGACAGTTT	GGATAACTAG	960
CTCTTACTTT	TTATCTTTAA	AAACTGTTTT	TCCAGTGAAG	TTACGTATAA	TTATTTACTT	1020
CAAGCGTAGT	ATACCAAATT	ACTTTAGAAA	TGCAAGACTT	TTCTTATACT	TCATAAAATA	1080
CATTATGAAA	GTGAATCTTG	TTGGCTGTGT	ACATTTGACT	ATAATAATT	CAATGCATAT	1140
TATTTCTATT	GAGAGTAAGT	TACAGTTTTT	GGCAAACTGC	GTTTGATGAG	GGCTATCTCC	1200
TCTTCCTGTG	CGTTTCTAAA	ACTTGTGATG	CAAACGCTCC	CACCCTTTCC	TGGGAACACA	1260
GAAAGCCTGA	CTCAGGCCAT	GGCCGCTATT	AAAGCAGCTC	CAGCCCTGCG	CACTCCCTGC	1320
TGGGGTGAGC	AGCACTGTAA	AGATGAAGCT	GGCTAACTGG	TACTGGCTGA	GCTCAGCTGT	1380
TCTTGCCACT	TACGGTTTTT	TGGTTGTGGC	AAACAATGAA	ACAGAGGAAA	TTAAAGATGA	1440
AAGAGCAAAG	GATGTCTGCC	CAGTGAGACT	AGAAAGCAGA	GGGAAATGCG	AAGAGGCAGG	1500
GGAGTGCCCC	TACCAGGTAA	GCCTGCCCCC	CTTGACTATT	CAGCTCCCGA	AGCAATTCAG	1560
CAGGATCGAG	GAGGTGTTCA	AAGAAGTCCA	AAACCTCAAG	GAAATCGTAA	ATAGTCTAAA	1620
GAAATCTTGC	CAAGACTGCA	AGCTGCAGGC	TGATGACAAC	GGAGACCCAG	GCAGAAACGG	1680
ACTGTTGTTA	CCCAGTACAG	GAGCCCCGGG	AGAGGTTGGT	GATAACAGAG	TTAGAGAATT	1740
AGAGAGTGAG	GTTAACAAGC	TGTCCTCTGA	GCTAAAGAAT	GCCAAAGAGG	AGATCAATGT	1800
ACTTCATGGT	CGCCTGGAGA	AGCTGAATCT	TGTAAATATG	AACAACATAG	AAAATTATGT	1860
TGACAGCAAA	GTGGCAAATC	TAACATTTGT	TGTCAATAGT	TTGGATGGCA	AATGTTCAAA	1920
GTGTCCCAGC	CAAGAACAAA	TACAGTCACG	TCCAGGTATG	TATAATAATG	TTTTCTTATC	1980
ATATGTTCAT	AAATGTTATA	CAGTCAGAGA	TGTATCTAAA	AGATTAACCT	GAGTCAGTAA	2040
GTTAAATAGA	TGACAGATTA	AGTCTTTTAT	TTATCAAGGT	GCACAGGAAA	AAATAAATAT	2100
CTTCTCAAAT	ATGACCACAT	AAATATGACC	TAATTACAAA	ATCATAGTTA	GTTCTGTATC	2160
CACTGGAAGT	CACTTTCAAT	TTTAAGATCT	TATTTGTTAA	TGCCAGACCT	ACTTGCAAGC	2220
AGAGATTAGA	GGTCCTTTCT	GCTTTATAAC	ATTAGGTTCT	TCTTGTGAGG	CCTTAAGCAT	2280
TTACTAAACA	CCTTCAAGTA	AGTTTAGTAA	AGTTTCATTA	CTGCCATTGA	TTCAATTATC	2340

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AAACTGCTTT TGTACATATA	AAGAATTCTT	CAGATGCATG	GTTTCTATTA	ACAAGATCCA	2400
ATGCCTTCCT TTTATTTCCC	CTTCAGTTCA	ACATCTAATA	TATAAAGATT	GCTCTGACTA	2460
CTACGCAATA GGCAAAAGAA	GCAGTGAGAC	CTACAGAGTT	ACACCTGATC	CCAAAAATAG	2520
TAGCTTTGAA GTTTACTGTG	ACATGGAGAC	CATGGGGGGA	GGCTGGACAG	TGCTGCAGGC	2580
ACGTCTCGAT GGGAGCACCA	ACTTCACCAG	AACATGGCAA	GACTACAAAG	CAGGCTTTGG	2640
AAACCTCAGA AGGGAATTTT	GGCTGGGGAA	CGATAAAATT	CATCTTCTGA	CCAAGAGTAA	2700
GGAAATGATT CTGAGAATAG	ATCTTGAAGA	CTTTAATGGT	GTCGAACTAT	ATGCCTTGTA	2760
TGATCAGTTT TATGTGGCTA	ATGAGTTTCT	CAAATATCGT	TTACACGTTG	GTAACTATAA	2820
TGGCACAGCT GGAGATGCAT	TACGTTTCAA	CAAACATTAC	AACCACGATC	TGAAGTTTTT	2880
CACCACTCCA GATAAAGACA	ATGATCGATA	TCCTTCTGGG	AACTGTGGGC	TGTACTACAG	2940
TTCAGGCTGG TGGTTTGATG	CATGTCTTTC	TGCAAACTTA	AATGGCAAAT	ATTATCACCA	3000
AAAATACAGA GGTGTCCGTA	ATGGGATTTT	CTGGGGTACC	TGGCCTGGTG	TAAGTGAGGC	3060
ACACCCTGGT GGCTACAAGT	CCTCCTTCAA	AGAGGCTAAG	ATGATGATCA	GACCCAAGCA	3120
CTTTAAGCCA TAAATCACTC	TGTTCATTCC	TCCAGGTATT	CGTTATCTAA	TAGGGCAATT	3180
AATTCCTTGT TTCATATTTT	TCATAGCTAA	AAAATGATGT	CTGACGGCTA	GGTTCTTATG	3240
CTACACAGCA TTTGAAATAA	AGCTGAAAAA	CAATGCATTT	TAAAGGAGTC	CTTTGTTGTT	3300
ATGCTGTTAT CCAATGAACA	CTTGCAAGCA	ATTAGCAATA	TTGAGAATTA	TACATTAGAT	3360
TTACAATTCT TTTAATTTCT	ATTGAAACTT	TTTCTATTGC	TTGTATTACT	TGCTGTATTT	3420
AAAAATAAT TGTTGGCTGG	GTGTGGTAGC	TCACGCCTGT	AATCCCAGCA	CTTTGGAATG	3480
TCAAGGCAGG CAGATCACTT	GAGGTCAGGA	GTTTGAGACC	AGCCTGGCCA	AACATGTGAA	3540
ACGCTGTCTC TATTAAAAAT	ACAAAAATTA	GCCGGGCATG	GTGGTACATG	CCTGTAATCA	3600
ACGCTGTTTA TTAAAAATAC	AAAAATTAGC	CGGGCATGGT	GGACATGCCT	GTAATCCTAG	3660
TACTTGGGAG GCTGAGGCAG	GAGAATCGCT	TGAACCTGAG	AGGAAGAGGT	TGCAGTGAGC	3720
CAAGAATGAG CCACTGCACT	CCAGCATGGG	TGACAGAGAA	AACTCTGTCT	CAAACAAAAA	3780
AATAATAAAA TTTATTCAGT	AGGTGGATTC	TACACAAAGT	AATCTGTATT	TGGGCCATGA	3840
TTTAAGCACA TCTGAAGGTA	TATCACTCTT	TTCAGGCTAT	AATTATTTGG	GTAATCTTCA	3900
TTCTGAGACA AACTTAATCT	ATATCATTTA	CTTTGCAACA	GAACAACCCT	ACAGCATTTT	3960
GGTTCCCAGA CTAAGGGAAC	TAATATCTAT	ATAATTAAAC	TTGTTCATTT	ATCATTCATG	4020
AAATATAAAA TACTTGTCAT	TTAAACCGTT	TAAAAATGTG	GTAGCATAAT	GTCACCCCAA	4080
AAAGCATTCA GAAAGCAATG	TAACTGTGAA	GACCAGGGTT	TAAAGGTAAT	TCATTTATAG	4140
TTTATAACTC CTTAGATGTT	TGATGTTGAA	AACTGCTTTA	ACATGAAAAT	TATCTTCCTC	4200
TGCTCTGTGT GAACAATAGO	TTTTAATTTA	AGATTGCTCA	CTACTGTACT	AGACTACTGG	4260
TAGGTTTTTT TGGGGGGGG	TGGGTAGGGA	. TATGTGGGTA	ATGAAGCATI	TACTTACAGG	4320

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CTATCATACT	CTGAGGCCAA	TTTTATCTCC	AAAGCAATAA	TATCATTAAG	TGATTCACTT	4380
CATAGAAGGC	TAAGTTTCTC	TAGGACAGAT	AGAAAACATG	AATTTTGAAA	TATATAGAAC	4440
agtagttaaa	ATACTATATA	TTTCAACCCT	GGCTGGTAGA	TTGCTTATTT	TACTATCAGA	4500
AACTAAAAGA	TAGATTTTTA	CCCAAACAGA	AGTATCTGTA	ATTTTTATAA	TTCATCAATT	4560
CTGGAATGCT	ATATATAATA	TTTAAAAGAC	TTTTTAAATG	TGTTTAATTT	CATCATCGTA	4620
AAAAGGGATC						4630

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 439 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
- Met Lys Leu Ala Asr Trp Tyr Trp Leu Ser Ser Ala Val Leu Ala Thr
- Tyr Gly Phe Leu Val Val Ala Asn Asn Glu Thr Glu Glu Ile Lys Asp 20 25 30
- Glu Arg Ala Lys Asp Val Cys Pro Val Arg Leu Glu Ser Arg Gly Lys 35 40 45
- Cys Glu Glu Ala Gly Glu Cys Pro Tyr Gln Val Ser Leu Pro Pro Leu 50 55 60
- Thr Ile Gln Leu Pro Lys Gln Phe Ser Arg Ile Glu Glu Val Phe Lys 65 70 75 80
- Glu Val Gln Asn Leu Lys Glu Ile Val Asn Ser Leu Lys Lys Ser Cys 85 90 95
- Gln Asp Cys Lys Leu Gln Ala Asp Asp Asn Gly Asp Pro Gly Asg Asn 100 105 110
- Gly Leu Leu Pro Ser Thr Gly Ala Pro Gly Glu Val Gly Asp Asn 115 120 125
- Arg Val Arg Glu Leu Glu Ser Glu Val Asn Lys Leu Ser Ser Glu Leu 130 135 140
- Lys Asn Ala Lys Glu Glu Ile Asn Val Leu His Gly Arg Leu Glu Lys 145 150 155 160
- Leu Asn Leu Val Asn Met Asn Asn Ile Glu Asn Tyr Val Asp Ser Lys
 165 170 175
- Val Ala Asn Leu Thr Phe Val Val Asn Ser Leu Asp Gly Lys Cys Ser
- Lys Cys Pro Ser Gln Glu Gln Ile Gln Ser Arg Pro Val Gln His Leu 195 200 205
- Ile Tyr Lys Asp Cys Ser Asp Tyr Tyr Ala Ile Gly Lys Arg Ser Ser 210 215 220

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Glu 225	Thr	Tyr	Arg	Val	Thr 230	Pro	Asp	Pro	Lys	Asn 235	Ser	Ser	Phe	Glu	Val 240
Tyr	Cys	Asp	Met	Glu 245	Thr	Met	Gly	Gly	Gly 250	Trp	Thr	Val	Leu	Gln 255	Ala
Arg	Leu	Asp	Gly 260	Ser	Thr	Asn	Phe	Thr 265	Arg	Thr	Trp	Gln	Asp 270	Tyr	Lys
Ala	Gly	Phe 275	Gly	Asn	Leu	Arg	Arg 280	Glu	Phe	Trp	Leu	Gly 285	Asn	Asp	Lys
Ile	His 290	Leu	Leu	Thr	Lys	Ser 295	Lys	Glu	Met	Ile	Leu 300	Arg	Ile	Asp	Leu
Glu 305	Asp	Phe	Asn	Gly	Val 310	Glu	Leu	Tyr	Ala	Leu 315	Tyr	Asp	Gln	Phe	Tyr 320
Val	Ala	Asn	Glu	Phe 325	Leu	Lys	Tyr	Arg	Leu 330	His	Val	Gly	Asn	Tyr 335	Asn
Gly	Thr	Ala	Gly 340	Asp	Ala	Leu	Arg	Phe 345	Asn	Lys	His	Tyr	Asn 350	His	Asp
Leu	Lys	Phe 355	Phe	Thr	Thr	Pro	Asp 360	Lys	Asp	Asn	qzA	Arg 365	Tyr	Pro	Ser
Gly	Asn 370	Cys	Gly	Leu	Tyr	Tyr 375	Ser	Ser	Gly	Trp	Trp 380	Phe	Asp	Ala	Cys
Leu 385	Ser	Ala	Asn	Leu	Asn 390	Gly	Lys	Tyr	Tyr	His 395	Gln	Lys	Tyr	Arg	Gly 400
Val	Arg	Asn	Gly	11e 405	Phe	Trp	Gly	Thr	Trp 410	Pro	Gly	Val	Ser	Glu 415	Ala
His	Pro	Gly	Gly 420	Tyr	Lys	Ser	Ser	Phe 425	Lys	Glu	Ala	Lys	Met 430	Met	Ile
Arg	Pro	Lys 435	His	Phe	Lys	Pro									

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 5403 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: other nucleic acid
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CATAAGGCGT	GTCTGACAAA	TTCTTCATAC	ACACATTTCC	CCTTTGCACA	TTCAGTCTGT	60
ATAGGTTATT	TCTATAGGAG	AAAAAAAA	TTCAAATTCC	TTGTGCACTG	GTAACAGGCA	120
TGAAGGCTCA	GCAAAGCCAA	TACGTGTTAT	GTCCAGTTGG	AGACAGTGCC	AGGGCCAACA	180
TTCCAGACTT	CTCAGATAGA	AAGTGCGCCT	GCCTGCCCTG	CTCTGAGAAT	TTGAAGAGAG	240
TAGTTCAGTT	AGAATTAAGA	GGCAGTAGAG	AAAAGTCTTG	GGAAATCTGG	TTAGAGATAT	300
AAATATGAGA	ACTGGACATG	GTGGTACACA	CCTGTGATCT	CTGTGTTTAG	GAGGGAGAGG	360

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CAGAGAGATC	AGGAGTTCAA	GGCCAGCCTG	AGCTACTTGA	GACCCAGTCT	AATAAATAA	420
GAGATAGATT	ACAGAGTGCC	TTTAACTAGT	ACAGAGAAAG	AATTTGGGTT	TATCTGTGTC	480
AGTTACGCTG	AAATAATTT	TAAGTAATAA	AATCCCTTTT	AATAAGAAAC	CTTATGAGGT	540
CAGTATGCAC	AATGAACTTA	AGAGAGACCC	CCAGCTCCTG	AGCTGAGTGA	TGGGGAAGGA	600
CAGCCACTGC	CTGTGATGTG	TGAGTGACGT	GCTTCCAAGT	GTTTTAACCA	CTGACGATTA	660
CATAGCCTGC	ACAGTCAGGA	GAAAACAGCC	GTATTCTCTG	CCAGTTCTCT	TCCCTTTTAC	720
AAACAGATGA	GAGACACACA	CAGAGAATCC	ATTTAAAGAG	CGGACCTTTG	TTCTGATTAG	780
GGGCAATTTT	AAGTACTTAA	GAGTTCACAC	AAAGTCTAGC	CTTCAAAAAG	AAAACAGGTT	840
CCCAAACTAG	GGAGGAAACA	GAATCATTTC	CATTTTGGTG	ACATTTAGTG	GGAAGAAGCT	900
CACAGACATT	TAGACGTTCC	AACTCTTTCC	CCACTAGTGG	ACCAAGTATA	TAATATGGTA	960
TCTTTTGGGC	ACTGGTATTA	CAACTGTTTT	TTAAACAAAA	GACTTTCCTT	GTGCTTTACT	1020
AAAAACCCAG	ACGGTGAATC	TTGAATACAA	TGCGTGGCAC	CCACGGCAGG	CATTCTATTG	1080
TGCATAGTTT	TGACTGACAG	GAGATGACAG	CATTTGGCTG	GCTGCGCTTG	CTGAGGACCC	1140
TCTCCTCCTG	TGTGGCGTCT	GAGACTGTGA	TGCAAATGCG	CCCGCCCTTT	TCTGGGAACT	1200
CAGAACGCCT	GAGTCAGGCG	GCGGTGGCTA	TTAAAGCGCC	TGGTCAGGCT	GGGCTGCCGC	1260
ACTGCAAGGA	TGAGGCTTCC	TGGTTGGTTG	TGGCTGAGTT	CTGCCGTCCT	CGCTGCCTGC	1320
CGAGCGGTGG	AGGAGCACAA	CCTGACTGAG	GGGCTGGAGG	ATGCCAGCGC	CCAGGCTGCC	1380
TGCCCGCGA	GGCTGGAGGG	CAGCGGGAGG	TGCGAGGGGA	GCCAGTGCCC	CTTCCAGCTC	1440
ACCCTGCCCA	CGCTGACCAT	CCAGCTCCCG	CGGCAGCTTG	GCAGCATGGA	GGAGGTGCTC	1500
AAAGAAGTGC	GGACCCTCAA	GGAAGCAGTG	GACAGTCTGA	AGAAATCCTG	CCAGGACTGT	1560
AAGTTGCAGG	CTGACGACCA	TCGAGATCCC	GGCGGGAATG	GAGGGAATGG	AGCAGAGACA	1620
GCCGAGGACA	GTAGAGTCCA	GGAACTGGAG	AGTCAGGTGA	ACAAGCTGTC	CTCAGAGCTG	1680
AAGAATGCAA	AGGACCAGAT	CCAGGGGCTG	CAGGGGCGCC	TGGAGACGCT	CCATCTGGTA	1740
AATATGAACA	ACATTGAGAA	CTACGTGGAC	AACAAAGTGG	CAAATCTAAC	CGTTGTGGTC	1800
AACAGTTTGG	ATGGCAAGTG	TTCCAAGTGT	CCCAGCCAAG	AACACATGCA	GTCACAGCCG	1860
GGTAGGTGTA	ATGAGGGTCA	TACAGTTTGT	TCATGAAAGC	TGTATAGCCA	GATAGTGGCC	1920
ATAAACATTA	ACCCGAGGGA	GCATAAGTTA	GTCAGACTTT	CACCTGTTAA	GTTATGGCAG	1980
GAGAAACAAG	TGTTTTCTCA	AATGAGACAA	CAGAAATGGT	AAATGATCCA	CGTACAAAAA	2040
TCCTATTAGT	TGTACTCGTT	AGAGACCGTC	ACTTGCAAGT	CTCTAGACCT	TCCCTGCTAG	2100
GTCGACCAAC	AGACGAGCAG	AAACAGATTC	CTCCCGGAAT	CTGAACACAT	ATTTGAACAC	2160
AGGACAGGTA	TGGCAAGGTT	CCTGGCTCTG	CTTGCTTAGG	TCCCTGGGAA	TCAGATCTTG	2220
GGTGGCTGAT	GGGCTTTATA	AGGCTTTCAC	AAACAATCTG	CTGTGCTAGG	TTCTCAAATA	2280
TCTAGTGAGA	ATGGGAGATT	TTTATACATG	GAAGCATCTC	TCCTCTCTCT	CTCCTCTCTC	2340

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CTCTCTCTTC	TCTCTCTCTC	TCTCTCTCTC	TCTCTCTCTC	TCTCTCTCTC	TCTCTCTCTC	2400
CTCCCTCCCT	CCCTCTCTCT	CTCTTTGTGT	GCGTGTGTGG	TGGGGATGAG	GACACGTGTA	2460
GAACTTCGGG	GGTTGAGACT	TAGTGCATAT	GCATCCTCAC	CATTCCAGTT	AGTGAATGTT	2520
AACACTATTT	AAGGTCACAG	ACCTAACAGC	CTTCTGTGTC	CGGATTCCTG	GATTCCTAGG	2580
ACCTTTGTGG	ATGGGTTGCC	ACACCCTCTG	TGTTCATCCT	GACTGTGAGG	TCGATGGGAC	2640
ATAGTAGGGA	TAACTTTCAT	TTGGAATCTC	TAGAGATGGT	AGGTCATCAT	GTCATAGAAT	2700
GTTATCACTA	ATGACCAAGA	TAGACACTCA	TGTTTAAGAG	ACATCACAAG	GTGTATATTA	2760
AATATGACAT	GGCATATAAC	TTGTAATGAC	ACAAAAATAT	TCTGTTACCT	ACTTTTCTCC	2820
TAAAAGCTTG	GGACTCTCCA	GAGTTCTAAA	TACATGCAAA	CAGATTATTG	TGTTTTACAG	2880
GAATCTTATA	TTGAACTTTC	TTTACCTGAC	TCAAATTTTA	TTAAAATTAA	CTGGGAACAA	2940
ATAGTTGGTC	TCTAATCTCT	ACAAAAACCA	CCAAATGATT	ACACTGAGCA	TAATTATAAT	3000
CACCCTGCTG	CTACGTCTAG	AAACCAAACT	GTGAAATATT	GGCTGACTGT	ATACCTTCCT	3060
AAATAATAAA	TTCAGGATAA	CATTGCCATA	TTATTGGAGA	ACCCCCCCT	CCCTTTTAAA	3120
ACTGGAATCA	TTTTATGTCA	ATCTCAGGTG	AAATACGAAT	GGGTTTCAGA	ACAGTGCTGT	3180
GCACTGAAGG	CTGACATTTA	GAACATATAT	AACGATTTCT	GTAAAGTCTG	CTGTAACAAT	3240
TGCTGATTGT	ATCCTAGGAG	ACTTGGACTC	CTCTCAACGT	TAAGGCAGAG	GAATATAATG	3300
GTTATGAGAG	TAAAACTCTC	TGTCAGGTAC	ATCTGGCTTT	CTGTCCCAGC	TCTGTCACTT	3360
AACACTTAGT	TGCGGTGGGA	AAACTCCCTG	ATCTTCCGGG	AGACTAAGTA	ACTGTATAAG	3420
CAAGCTGGCC	GTGATATCCA	CGTCGTAAGG	CTGCTGTGTG	GGTTCAGTGA	AAACTGTTAC	3480
AGTGATTGGC	AGAGTTTCTG	GAGGTCATTG	ACCCTCATTA	AACCTTGCAT	ACACTTATTC	3540
TTACTACTCT	TTGCTGTTAG	TGTTGCCACC	AGGATTGCCA	TTCAAGGCAG	TCCTGTATAC	3600
TTGATAACAC	CAGTTGGTTC	TGAGGCCTTA	GTTAGCATCT	GTTAGCCTGG	TTCAGGAGAG	3660
TGTATCAGAG	CCAGGTTCCT	CTATCACATA	AACTGTAACG	CAAGTGAATT	GTCCAATTGC	3720
TGTTGAGTCT	GAGAGTCCTT	GAGGTGCATA	GCTTTGACTA	ATAAATCCCC	ATGCTTTTAT	3780
GCTTTTCCTT	CCTCCCTCTT	CCAGTTCAAC	ATCTAATATA	CAAAGATTGT	TCCGACCACT	3840
ACGTGCTAGG	AAGGAGAAGC	AGTGGGGCCT	ACAGAGTTAC	CCCTGATCAC	AGAAACAGCA	3900
GCTTTGAGGT	CTACTGTGAC	ATGGAGACCA	TGGGTGGAGG	CTGGACGGTG	CTGCAGGCTC	3960
GCCTTGATGG	CAGCACCAAC	TTCACCAGAG	AGTGGAAAGA	CTACAAAGCC	GGCTTTGGAA	4020
ACCTTGAACG	AGAATTTTGG	TTGGGCAACG	ATAAAATTCA	TCTTCTGACC	AAGAGTAAGG	4080
AAATGATTTT	GAGAATAGAT	CTTGAAGACT	TTAATGGTCT	CACACTTTAT	GCCTTGTATG	4140
ATCAGTTTTA	TGTGGCTAAT	GAATTTCTCA	AATACCGATT	ACACATCGGT	AACTACAATG	4200
GCACGGCAGG	GGATGCCTTG	CGTTTCAGTC	GACACTACAA	CCATGACCTG	AGGTTTTTCA	4260
CAACCCCAGA	CAGAGACAAC	GATCGGTACC	CCTCTGGGAA	CTGTGGGCTC	TATTACAGCT	4320

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CAGGCTGGTG	GTTTGATTCA	TGTCTCTCTG	CCAATTTAAA	TGGCAAATAT	TACCACCAGA	4380
AATACAAAGG	TGTCCGTAAT	GGGATTTTCT	GGGGCACCTG	GCCTGGTATA	AACCAGGCAC	4440
AGCCAGGTGG	CTACAAGTCC	TCCTTCAAAC	AGGCCAAGAT	GATGATTAGG	CCCAAGAATT	4500
TCAAGCCATA	AATTGCTAGT	GTTCATCTCT	CTGGGCACTC	ACTATCTAAG	AGGACGATGA	4560
ATTCCTTCAG	CCCTTTACCA	TATGTCTCAG	TTTATATTCC	TTTCCTATGG	CTAAACATTT	4620
CCTTTAAAGC	TTTACAGCTT	TTAGAATAAA	GCTGAAAAGA	TCTAAAAAGA	CTCCTATGTT	4680
GCTGTTATAT	GAGGAATGCT	TGAAAGCACT	GGAAATATTG	ACAATTATAC	ATTATAATTG	4740
CAAAACCTTT	CATTTTTATT	AGTTGAAAAG	TTTCCTAATA	TTTTTATTAT	TTTTATAATA	4800
AAAACTAAAT	TATTCAGCAA	GCTAGATTCT	ATATACGCAA	GTTTTATTTT	CACTAGGGCT	4860
AAATATACAC	ATTTGAGAAT	ATACCAGTCC	TTCCAGGTAC	AACTGAAAGC	CAAGAACTGT	4920
AGTATTATCT	TTCGTCTAAG	AAGAACTTAA	AGCATTTTAG	TTCTCAAGAA	GAAGGGCAGG	4980
GATGGGATTG	GGGGCCAGGG	ACAATATGTA	TAGCTAAATG	TATTCATCTA	ATGCAAAATA	5040
TGGCATTAAA	ATACCTAAAA	ATGTGGTAGC	ATAATATATG	TCTCTTCCCT	CTCCAATTGA	5100
AAAATAATGT	TACCCTGTAG	ACTTTGGTTT	AGTGGTAATT	CACTTACTGT	TTATAGCCTG	5160
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 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 432 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: peptide
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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Glu Gly Ser Gln Cys Pro Phe Gln Leu Thr Leu Pro Thr Leu Thr Ile 50 60

Gln Leu Pro Arg Gln Leu Gly Ser Met Glu Glu Val Leu Lys Glu Val 55 70 75 80

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420

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